

In accordance With the Order in
Cause No. 143-1

3.27.73 Subsequent Report of Consulting Is
Water Injection.

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

ate Well Completed
..... WW..... TA.....
W..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

May 27, 1971

Tenneco Oil Company
1200 Lincoln Tower Bldg.
Denver, Colorado 80203

Re: Upper Valley Unit #25
Sec. 36, T. 36 S, R. 1 E,
Garfield County, Utah

Gentlemen:

Attached please find an approved copy of your Notice of Intention to Drill for the above referred to well.

Said approval is granted in accordance with the Order issued in Cause No. 143-1, dated April 21, 1971.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐Water Injection
Well ☒SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Building, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1440' F/EL and 620' F/SL

At proposed prod. zone

SESWSE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH
7700'17. NO. OF ACRES ASSIGNED
TO THIS WELL20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235' GR

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	8-5/8"	24	3000	Suff. to fill 500' above Dakota
7-7/8"	5-1/2"	15.5	7700	Suff. to fill 500' " Kaiba

Well to be drilled to approximately 7700'. Logged, and if commercial production is indicated, Run 5-1/2" casing to T.D., casing will be perforated and formation treated as necessary to establish commercial production. A 2-1/16" parasite string will be run to casing point with the 8-5/8" to aerate returns. If coal is encountered 0' to 500', coal bed will be cemented with 1" pipe as per U.S.G.S. instructions. 30 ft. of 20" culvert pipe will be set and cemented for use as conductor prior to spud. B.O.P. to be tested each 24 hours.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 5-26-71

BY Glen B. Wright

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

B. A. J. J.

TITLE

Sr. Production Clerk

DATE

5-24-71

(This space for Federal or State office use)

PERMIT NO.

43-017-30033

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

COMPANY TENNECO OIL COMPANY

Well Name & No. UPPER VALLEY NO. 25

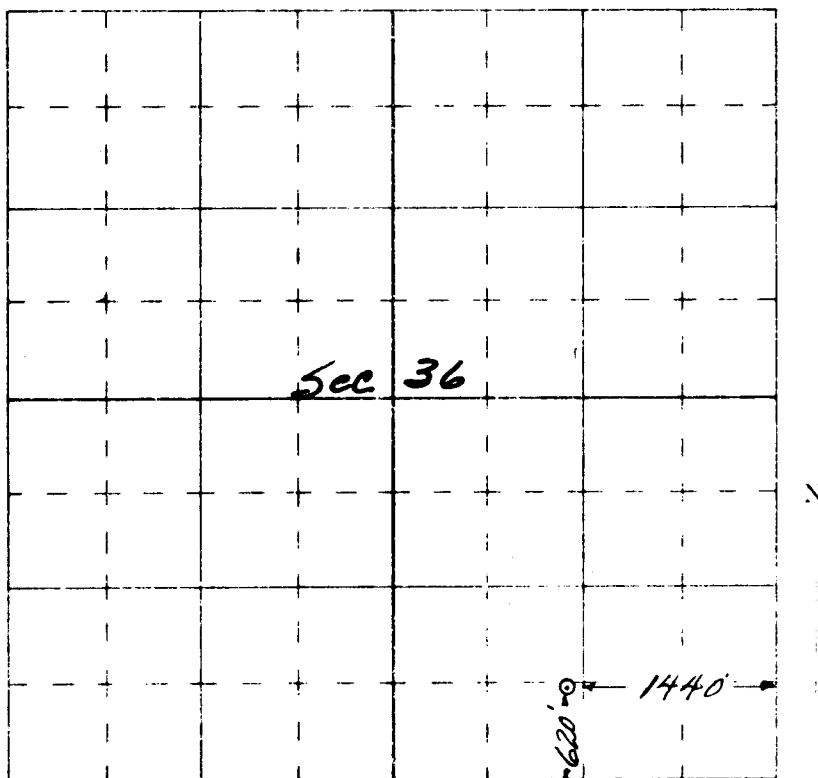
Lease No.

Location 620 feet from the South line and 1440 from the East line

Being in SWSE

Sec. 36 T 36S R 1E, S.L.M., Garfield County, Utah

Ground Elevation 7235 ungraded

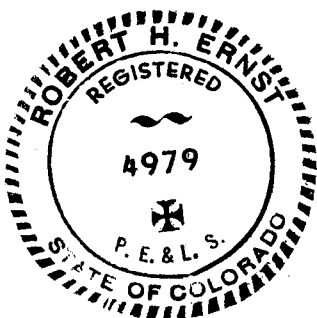


Scale 4 inches equals 1 mile

Surveyed 2 March

19 71

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Registered Land Surveyor.

Robert H. Ernst
Colo. Reg. PE & LS No. 4978
New Mexico PE & LS No. 2463

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP DATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U - 019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

25

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 36, T-36-S, R-I-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235 GR

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Set 33' of 21" Culvert pipe for conductor and cemented to surface. Well spudded 6/1/71 with 13-3/4" hole and drilled to 2995' on 6/7/71, Ran 93 Jts. of 8-5/8" 24# casing landed at 2995', cemented with 800 sacks.

A 2-1/16" parasite string was welded to outside of 8-5/8" casing and landed at 2893' to aerate returns.

Tested casing and B. O. P. to 1000 psi, held OK. Drilled out with 7-7/8" hole and drilling as of 6/9/71 at 3230'.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 6/9/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instruction
verse side)TE^{re}Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U - 019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

25

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 36, T-36-S, R-I-E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7235 GR

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☒
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

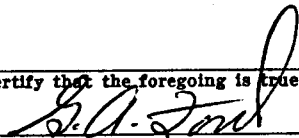
☐
☐
☐
☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well drilled with 7-7/8" hole to T.D. of 7198' on 6/19/71, Logged,
ran 222 Jts. of 5-1/2" 15.5# casing landed at 7198'. Cemented with
200 sacks. Rig released 6/22/71 and now waiting on completion unit.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Sr. Production Clerk

DATE 6/22/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-019379	
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Building, Denver, Colorado 80203		7. UNIT AGREEMENT NAME Upper Valley Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1440' F/EL and 620' F/SL		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. 25	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7257' GR		10. FIELD AND POOL, OR WILDCAT Upper Valley	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T-36-S, R-1-E	
		12. COUNTY OR PARISH Garfield	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☒

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in completion unit 7-1-71, installed BOP, tested casing & BOP to 1000 psi, held O.K. Cleaned out to PBTD of 7156'. Perforated 7014'-7020' w/2 JSPF, acidized w/500 gals 15% HCL. Perforated 7094' - 7104' w/2 JSPF, acidized w/4536 gals 15% HCL and 5040 gals of 28% HCL, swabbed Ran 220 jts of 2-7/8" NEUE tubing, landed at 6903', Installed Reda pump.

Well tested 24 hrs. on 7-24-71, 122 Bbls oil, 500 Bbls water, gas TSTM, 26° gravity oil.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 7-30-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Form approved,
Budget Bureau No. 42-R355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>										
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>								
2. NAME OF OPERATOR		Tenneco Oil Company													
3. ADDRESS OF OPERATOR		Suite 1200 Lincoln Tower Building, Denver, Colo. 80203													
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*		At surface 1440' F/EL and 620' F/SL At top prod. interval reported below At total depth													
14. PERMIT NO.		DATE ISSUED		12. COUNTY OR PARISH		13. STATE									
				Garfield		UTAH									
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD							
6-1-71		6-19-71		7-17-71		7257 GR									
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS							
7198		7156				Rotary		CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		7014-7194 Kaibab		25. WAS DIRECTIONAL SURVEY MADE		Yes									
26. TYPE ELECTRIC AND OTHER LOGS RUN		DIFL, Densilog, Acoustilog, SN-GR, Dipmeter		27. WAS WELL CORED		No									
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8-5/8		24		2995		13-3/4		800 sacks							
5-1/2		15.5		7198		7-7/8		200 sacks							
29. LINER RECORD										30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-7/8		6903		None	
31. PERFORATION RECORD (Interval, size and number)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
7014-7020 w/2JSPF										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
7094-7104 w/2JSPF										7014-20		500 gals 15% HCL			
										7094-7104		4536 Gals 15% HCL			
												5040 gals 28% HCL			
33.* PRODUCTION															
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)									
7-4-71		Pumping - Reda D-45				Producing									
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
7-24-71		24		-		→		122		TSTM		500		TSTM	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
None		None		→		122		TSTM		500		26°			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY		H. Woosley			
35. LIST OF ATTACHMENTS															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED		G. A. Foul				TITLE				Sr. Production Clerk		DATE		7-30-71	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING: DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	L. TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
					MEAS. DEPTH	TRUE VER. DEPTH
Navajo	3410	5438	Ss, VF-MG, rounded to sub-angular, red, orange, white, few interbedded red siltstones. Appears to be water from logs.	Navajo	3410	+ 3360
				Chinle	5438	+ 332
				Shinarump	6027	+ 1243
				Moenkopi	6120	+ 1150
				Kaibab	6928	+ 342

AUG 2 1971

4
FORM OGC-8-X

FILE IN QUADRUPLICATE

PI
July 30, 1971

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Upper Valley No. 25
Operator Tenneco Oil Company Address Suite 1200 Lincoln Tower Building
Denver, Colo. 80203 Phone 292-9920
Contractor Loffland Bros. Address 220 Midland Savings Bldg.
Denver, Colo. 80202 Phone 255-2079
Location SW 1/4 SE 1/4 Sec. 36 T. 36 N R. 1 E Garfield County, Utah
S W

Water Sands:

<u>Depth</u>	<u>Volume</u>	<u>Quality</u>	
From	To	Flow Rate or Head	Fresh or Salty
1.	<u>Well drilled with Mud - No water flow encountered</u>		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops:

Navajo - 3410

Moenkopi - 6120

Chinle - 5438

Kaibab - 6928

Shinarump - 6027

Remarks:

NOTE:

- Upon diminishing supply forms, please inform this office.
- Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U - 019379
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg., -Denver, Colorado		7. UNIT AGREEMENT NAME Upper Valley Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1440' F/EL and 620' F/SL		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. 25
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7257 GR		10. FIELD AND POOL, OR WILDCAT Upper Valley
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T-36-S, R-I-E
		12. COUNTY OR PARISH Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move in service unit, pull 2-7/7" tubing, set BP @ 7030 ± and packer @ 7000 ± acidize K-2 perforations 7014' - 7020' with 1500 gals. 28% LSTNE W/10% MUSOL, displace acid with lease oil, swab all acid residue - Re-run tubing and test well.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Production Clerk

DATE 9-1-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

25

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 36, T-36-S, R-I-E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg. - Denver, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface 1440' F/EL and 620' F/SL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7257 GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

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MULTIPLE COMPLETION

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(Other)

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ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Moved in service unit, pulled, 2-7/8" tubing and pump set BP @ 7058 and packer
@ 6991 acidize K-2 perforations 7014' - 7020' with 3000 gals 28% LSTNE W/10% MUSOL
displace acid with 75 BBLs crude oil Re-grins 220 jts. of 2-7/8 tubing and pump.

Landed at 6891'. Well tested prior to acid treatment = 53 BOPD
Well tested after treatment 9-10-71 = 108 BOPD

18. I hereby certify that the foregoing is true and correct

SIGNED

G. A. Ford

TITLE

Sr. Production Clerk

DATE

9-10-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instruction
verse side)TE*
reForm approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-019378	
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg. Denver, Colo		7. UNIT AGREEMENT NAME Upper Valley Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1440' F/E1 and 620' F/SL		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. 25	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7257 GR		10. FIELD AND POOL, OR WILDCAT Upper Valley	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T-36-S, R-1-E	
		12. COUNTY OR PARISH Garfield	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

☐
☐
☒
☐

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☐
☐
☐
☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

☐
☐
☐

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move in service unit, pull tubing and Reda Pump.
Perforate with one jet per ft. as follows:

K-1 = 6946, 6949, 6952, 6960, 6962, 6966, & 6972.

K-2 = 6990 & 6993.

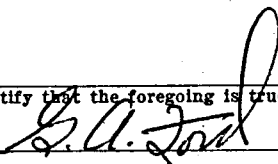
K-3 = 7035, 7038, 7041, 7049, 7051, & 7053.

Set B.P. at 7072' and packer at 6930', Acidize across perforations with 4500 gals. 15% HCL, Swab, Re-run tubing and pump.

Test well. ✓

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE **Sr. Production Clerk**DATE **3/9/72**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instructor
verse slide)DATE
reForm approved.
Budget Bureau No. 42-R14245. LEASE DESIGNATION AND SERIAL NO.
U-019378

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Suite 1200 Lincoln Tower Bldg., -Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

1440' F/EL and 620' F/SL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7257 GR

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

25

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec., 36, T-36-S, R-1-E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

☒

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

☐
☐
☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

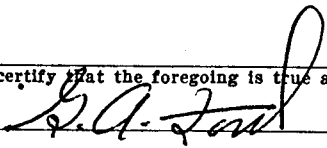
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in service unit 3/9/72, pulled tubing and Reda Pump. Perforated with 1 JSPF as follows:
K-1 = 6946,49,52,60,62,66, and 72.
K-2 = 6990-6993'.
K-3 = 7035',38,41,49,51, and 53.
set BP at 7080' and packer at 6912', acidized across perforations with 4500 gals. 15% HCL in 3 stages. Ran 220 Jts. of 2-7/8" NEUE 10 Rt Tubing and Reda Pump landed at 6975'.

Moved out service unit 3/14/72.
Well tested prior to acid job 50 B.O.P.D. and 887 B.W.P.D.
Well tested after acid job 16 B.O.P.D. and 1614 B.W.P.D.

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE

Sr. Production Clerk

DATE

3-27-72

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved,
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Convert to water injection		7. UNIT AGREEMENT NAME Upper Valley Unit
2. NAME OF OPERATOR Tenneco Oil Company		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR Suite 1200 Lincoln Tower Bldg. - Denver, Colo.		9. WELL NO. 25
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1440' F/EL and 620' F/SL		10. FIELD AND POOL, OR WILDCAT Upper Valley
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T-36-S, R-1-E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7257 GR		12. COUNTY OR PARISH Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐Convert to water Inj. ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move in rig up service unit, pull tubing and Reda Pump, set packer at + 6900', re-run tubing into packer, hook up well for water injection into perforations 6946'-6990', 7014'-20' and 7104'-7135'.

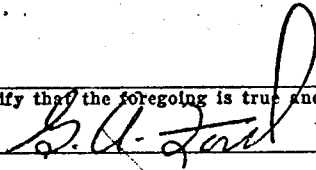
APPROVED IN ACCORDANCE
WITH THE ORDER ISSUED IN
CAUSE NO. 143-1

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 8-25-72
BY C. B. Hughes

18. I hereby certify that the foregoing is true and correct

SIGNED



TITLE Sr. Production Clerk

DATE 8/22/72

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on reverse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

U-019378

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.

25

10. FIELD AND POOL, OR WILDCAT

Upper Valley

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA

Sec. 36, T36S, R1E

12. COUNTY OR PARISH 13. STATE

Garfield

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐ Convert to Water Injection
2. NAME OF OPERATOR
Tenneco Oil Company
3. ADDRESS OF OPERATOR
1860 Lincoln St., Suite 1200, Denver, Colorado 80203
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1440' F/EL and 620' F/SL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

7257 GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Convert to Wtr. Inj ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Move in and rig-up service unit, pull tubing & electric submersible pump. Set packer at 6900±, run 2-7/8" OD steel tubing internally plastic coated and packer. Set packer and hook-up for water injection into perforations as follows:

6946, 6949, 6952, 6960, 6962, 6966, 6972

1/Ft.

6990, 6993

1/Ft.

7014-7020

2/Ft.

7035, 7038, 7041, 7049, 7051, 7053

1/Ft.

7094-7104

2/Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

K. H. Douell

TITLE Sr. Production Engineer

DATE 3/19/73

(This space for Federal or State office use)

APPROVED BY

E. W. Ingram

TITLE ACTING DISTRICT ENGINEER

DATE MAR 27 1973

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER Convert to Water Injection

2. NAME OF OPERATOR
TENNECO OIL COMPANY

3. ADDRESS OF OPERATOR
1860 Lincoln St., Suite 1200, Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1440' F/EL and 620' F/SL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7257 GR

5. LEASE DESIGNATION AND SERIAL NO.
U-019378

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Upper Valley Unit

8. FARM OR LEASE NAME

9. WELL NO.
25

10. FIELD AND POOL, OR WILDCAT
Upper Valley

11. SEC., T., R., M., OR BLS. AND SURVEY OR AREA
Sec. 36, T36S, R1E

12. COUNTY OR PARISH
Garfield

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT ON:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Convert to Water Injection</u>	<u>X</u>

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Moved in and rigged-up service unit, pulled tubing & electric submersible pump. Set packer at 6900+, ran 2-7/8" OD steel tubing internally plastic coated and packer. Set packer and hooked-up for water injection into perforations as follows:

6946, 6949, 6952, 6960, 6962, 6966, 6972

1/Ft

6990, 6993

1/Ft

7014-7020

2/Ft

7035, 7038, 7041, 7049, 7051, 7053

1/Ft

7094-7104

2/Ft

18. I hereby certify that the foregoing is true and correct

SIGNED

Carley Hatten

TITLE Sr. Production Clerk

(This space for Federal or State office use)

APPROVED BY

E. S. [Signature]

TITLE

ACTING DISTRICT ENGINEER

CONDITIONS OF APPROVAL, IF ANY:

DATE 3/21/73

DATE MAR 27 1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT THIS FORM TO THE
(Other instructions on the
reverse side)Budget Bureau No. 42-R1424
5. LEASE DESIGNATION AND SERIAL NO.

U-019379

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

15

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	WATER INJECTION
2. NAME OF OPERATOR Tenneco Oil Company	
3. ADDRESS OF OPERATOR 720 So. Colorado Blvd., Denver, Colorado 80222	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1440' F L and 620' F L, Unit	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, CR, etc.) 7720' KB
9. WELL NO. 25	
10. FIELD AND POOL, OR WILDCAT UPPER VALLEY	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 36, T36S, R1E	
12. COUNTY OR PARISH Garfield	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Incr. Wtr. Inj.

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 1) REL PKR, POOH w/Plastic Coated TBG & PKR
- 2) RIH w/5 1/2" 15.5# cmt RTNR & TBG. Set RTNR @ 6550'.
- 3) SQ 2 PERFS w/100 SX LITE CMT w/ 6 1/4 #/SK GILSONITE & 2% CaCl₂ & 100 SX NEAT CL "G" cement.
- 4) DRL out to 7150'
- 5) PERF K-4 (7094-7104).w/ 2 JSPF
- 6) RIH w/PKR & set @ 6850'
- 7) Acidize K-4 w/1100 Gal. 15% HCL
- 8) Put well on injection.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: June 23, 1978

BY: PH Amcanel

18. I hereby certify that the foregoing is true and correct.

SIGNED

TITLE: Administrative Supervisor

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

FORM NO. DOGM-UIC-1

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5)

IN THE MATTER OF THE APPLICATION OF
TENNECO OIL EXPLORATION & PRODUCTION

ADDRESS P.O. Box 3249
Englewood, CO ZIP 80155

INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION ☒

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Upper Valley WELL #25

SEC. 36 TWP. 365 RANGE 1E
Garfield COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name <u>Upper Valley</u>	Well No. <u>25</u>	Field <u>Upper Valley</u>	County <u>Garfield</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SW SE</u> Sec. <u>36</u> Twp. <u>365</u> Rge. <u>1E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted existing injector Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>4500</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil _____
Location of Injection Source(s) <u>Upper Valley Unit</u>		Geologic Name(s) <u>Kaibab</u> and Depth of Source(s) <u>6000-6900'</u>	
Geologic Name of Injection Zone <u>Kaibab</u>		Depth of Injection Interval <u>7094</u> to <u>7104</u>	
a. Top of the Perforated Interval: <u>7094</u>	b. Base of Fresh Water: <u>4500</u>	c. Intervening Thickness (a minus b) <u>2594</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <u>YES</u> NO			
Lithology of Intervening Zones <u>limestone and shale</u>			
Injection Rates and Pressures Maximum <u>6000</u> B/D <u>300</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent 			

State of COLORADO)County of Arapahoe)

Before me, the undersigned authority, on this day personally appeared Harry Hufft, Production Manager known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Subscribed and sworn to before me this 13th day of October, 1983

SEAL

My commission expires My Commission Expires Sept. 7, 1987

Notary Public in and for the State of Colorado

Linda Hancock

(OVER) 6884 S. Prescott St.
Littleton, CO 80120

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

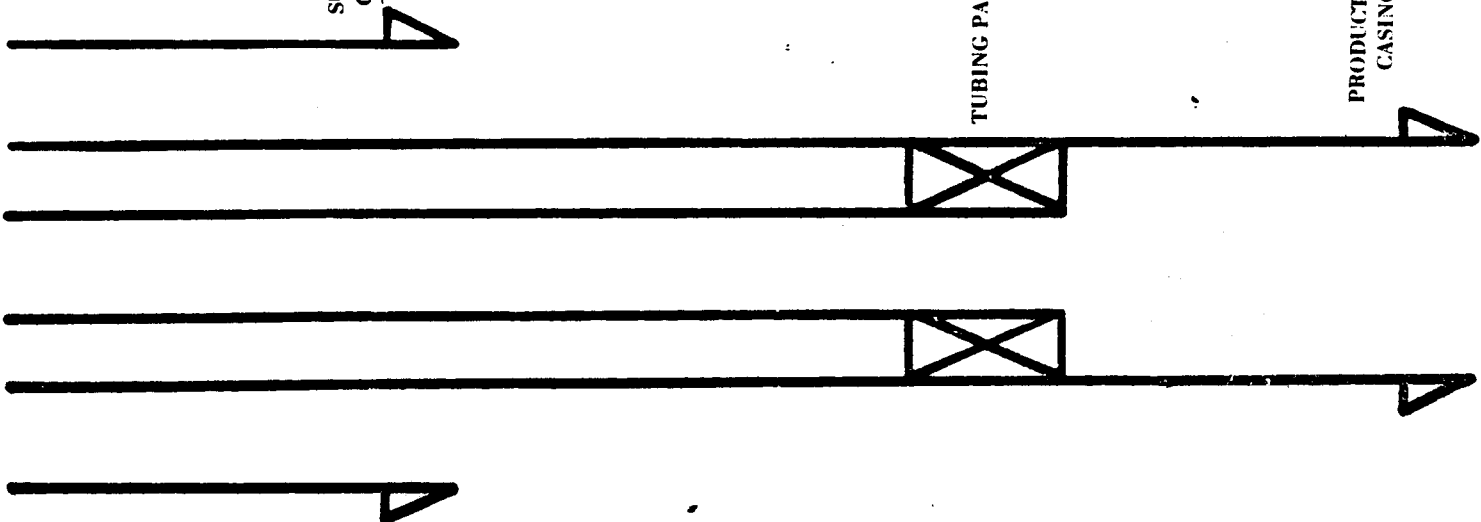
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	8 5/8"	2995	700	surface	returns
Intermediate					
Production	5 1/2"	7198	200	"5698"	calculated
Tubing	2 7/8"	6900	Name - Type - Depth of Tubing Packer MODEL R @ 6900'		
Total Depth 7198	Geologic Name - Inj. Zone Kaibab		Depth - Top of Inj. Interval 7094		Depth - Base of Inj. Interval 7104

SURFACE
CASING

TUBING PACKER

PRODUCTION
CASING

SKETCH - SUB-SURFACE FACILITY



(To be filed within 30 days after drilling is completed)

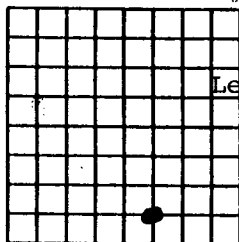
DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

API NO

640 Acres
NLocate Well Correctly
and Outline LeaseCOUNTY Garfield SEC. 36 TWP. 365 RGE. 1ECOMPANY OPERATING TENNECOOFFICE ADDRESS P.O. Box 3249TOWN Englewood STATE CO ZIP 80155FARM NAME Upper Valley WELL NO. 25DRILLING STARTED 6/1 1971 DRILLING FINISHED 6/19 1971

DATE OF FIRST PRODUCTION _____ COMPLETED _____

WELL LOCATED SW SE NE NW_____ FT. FROM SL OF $\frac{1}{4}$ SEC. & _____ FT. FROM WL OF $\frac{1}{4}$ SEC.ELEVATION DERRICK FLOOR 7270 GROUND 7257

TYPE COMPLETION

Single Zone single

Multiple Zone _____

Cemented _____

Order No. _____

Order No. _____

Order No. _____

LOCATION EXCEPTION

Order No. _____ Penalty _____

OIL OR GAS ZONES

Name	From	To	Name	From	To
Kaibab	7094	7104			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sax	Fillup	Top
8 5/8	24	K-55	2995		700		
5 1/2	15.5	K-55	7198		200		

TOTAL DEPTH 7198PACKERS SET
DEPTH 6900'

1

2

3

FORMATION	Kaibab		
SPACING & SPACING ORDER NO.			
CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	inj. well		
PERFORATED	6946-6972 6990-6993 7104-7020		
INTERVALS	7035-7053 7094-7104		
ACIDIZED?	yes		
FRACTURE TREATED?	no		

INITIAL TEST DATA

Date

Oil. bbl./day

Oil Gravity

Gas. Cu. Ft./day

CF

CF

CF

Gas-Oil Ratio Cu. Ft./Bbl.

Water-Bbl./day

Pumping or Flowing

CHOKE SIZE

FLOW TUBING PRESSURE

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

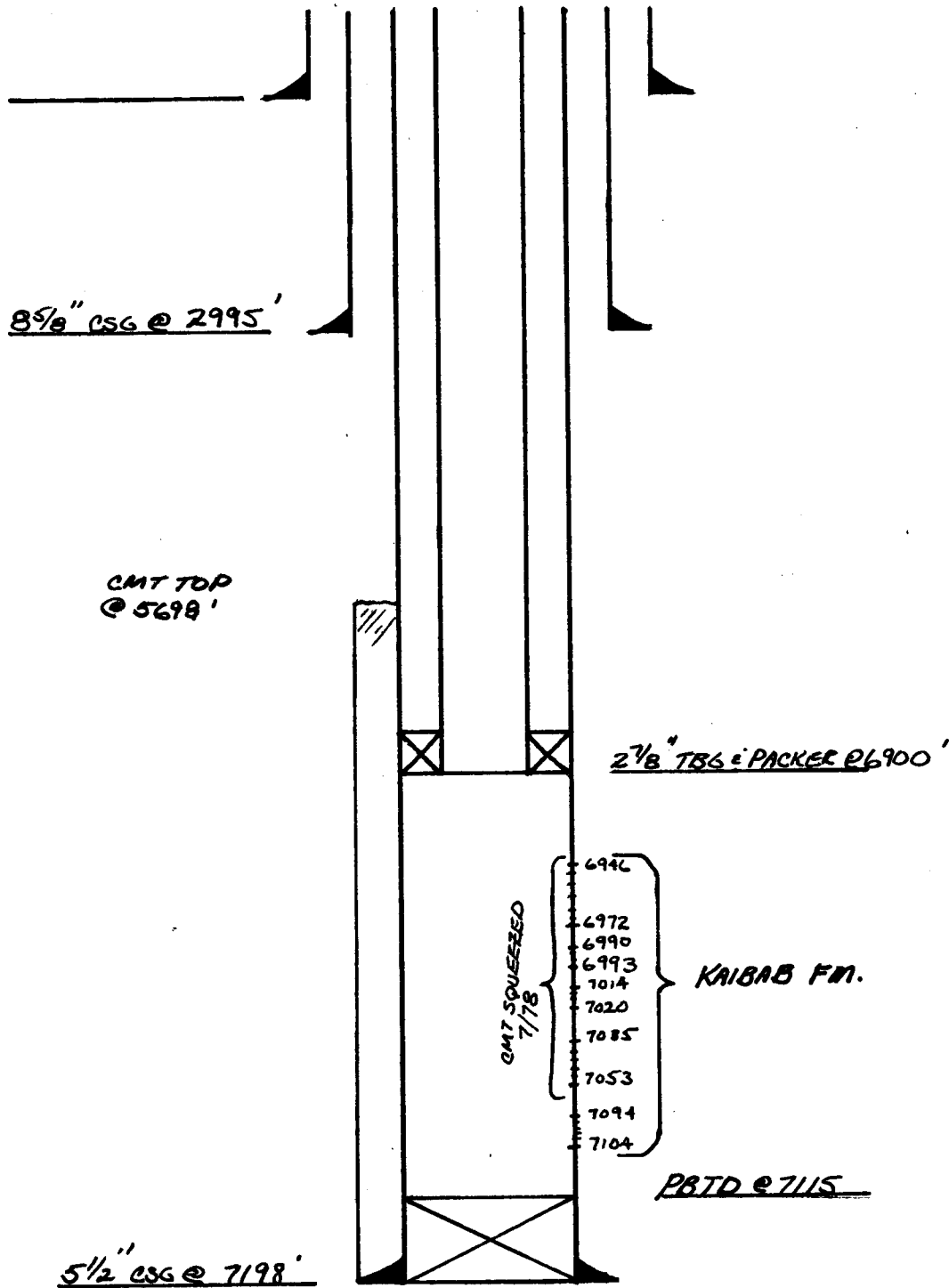
Telephone (303) 740-4800Harry Hufft, Production Manager

Name and title of representative of company

Subscribed and sworn before me this 13th day of October, 1983

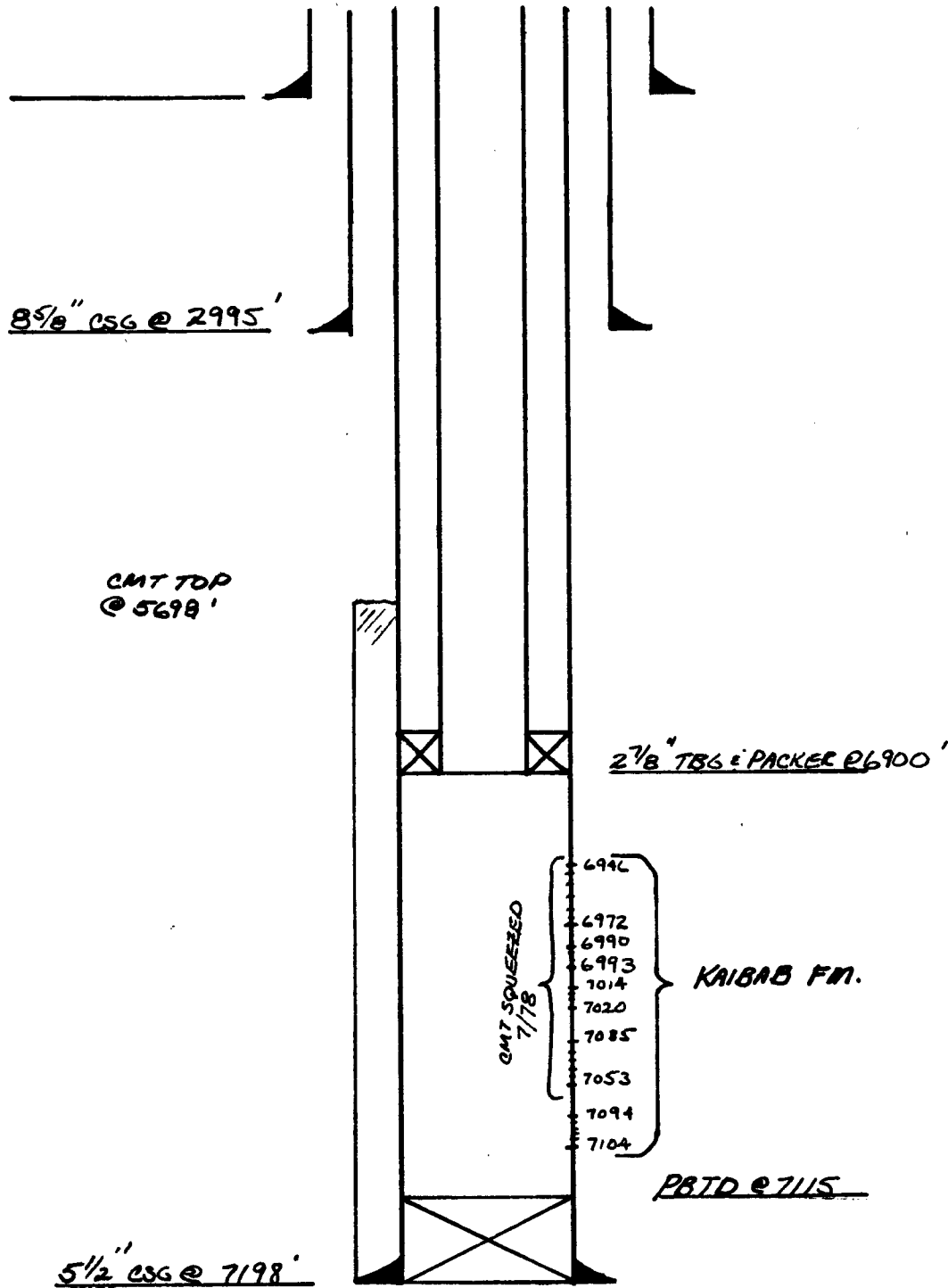
My Commission Expires Sept. 7, 1987

TENNECO OIL COMPANY
UPPER VALLEY UNIT WELL NO. 25
WELLBORE SCHEMATIC
GARFIELD, CO., UTAH



NOTE: NOT TO SCALE

TENNECO OIL COMPANY
UPPER VALLEY UNIT WELL NO. 25
WELLBORE SCHEMATIC
GARFIELD, CO, UTAH



NOTE: NOT TO SCALE

A

UIC RULE 1-5b
UPPER VALLEY UNIT

ITEM NO.

- 5 Design injection rates and surface pressures for Upper Valley injection wells are, as previously mentioned, maintained below 6,000 BPD and 300 psi surface pressures. These parameters are maintained by use of throttling valves or choke valves on each well. Pneumatic control valves are also used to automatically by-pass water if injection pressures exceed the specified 300 psi.

- 6 The Upper Valley system has no means for treating or storage of produced water. All produced water is reinjected as previously stated. Where an injection well shut-in or failure occurs, producing wells are shut-in to prevent over injection.

B

UIC RULE 1-5b
UPPER VALLEY UNIT

ITEM NO.

4

The Kaibab formation at the Upper Valley Unit has an average fracture gradient of .348 psi/ft. Past radioactive injection profile surveys run on selected injection wells in the field indicate that at injection rates as high as 6400 BPD, hydraulic fracturing upward above the Kaibab does not take place, but rather remains in zone. Injection in all cases is below 6,000 BPD. Surface injection pressures corresponding to this rate generally do not exceed 300 psi. Attached are copies of injection surveys for three wells (nos. 5, 16 and 26) which were tested at rates above 6,000 BPD. These surveys illustrate that above-fracturing pressures, no upward migration exists.

UPPER VALLEY UNIT
FIELD DESCRIPTION

The Upper Valley Unit is a peripheral drive waterflood utilizing 11 water injection wells to re-inject the total field water production of 38,000 BWPB into the Kaibab formation. Currently, one injection well is shut-in due to adverse effects to offset oil production.

Geologically, the Upper Valley Kaibab formation ranges from a dolomitic limestone, which is naturally fractured, to a very porous dolomitic sandstone.

Currently, there are 24 producing wells in the Upper Valley Unit, all of which are completed in the Kaibab. Production is collected and separated at two points in the field, the main tank battery and the satellite tank battery. Oil is separated at each battery and pumped via pipeline 20 miles to the Upper Valley sales terminal where the oil is sold. The water production at each battery is pumped to the water injectors nearest to the respective tank battery.

In addition to the above mentioned wells, there is one Navajo fresh water source well which was originally completed for additional water injection for the waterflood; but it is now used for makeup water for the newly started polymer-augmented waterflood in the field. The Navajo sand is the deepest known fresh water source in the area. No other fresh water source wells are known to exist at any depth within one mile of the unit boundaries. The bottom of the Navajo sand is an average depth of 4500 feet in the field and is on the average 2000 feet above the Kaibab formation.



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
DALLAS, TEXAS
WATER ANALYSIS

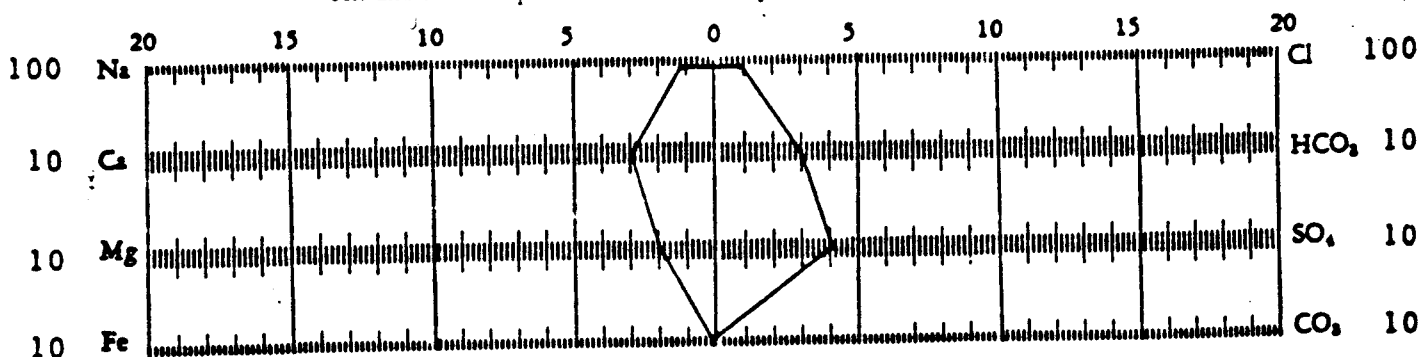
Page 5 of 8
File IWTL-71107

Company Tenneco Oil Company Well Name _____ Sample No. 5
Second F.W.K.O.
Formation Kaibab Depth _____ Sampled From Main Battery
Location _____ Field Upper Valley County Garfield State Utah
Date Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLC

Total Dissolved Solids 10,283 mg/L calculated
Resistivity .730 ohm-meters @ 74 °F. measured
pH 6.9 @ 74 °F.
Specific Gravity 1.0096 @ 60 °F.
1.0068 @ 74 °F.
Hydrogen Sulfide present - 4.0 ppm

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	110.14	2532	Chloride	87.42	3099
Calcium	29.99	601	Bicarbonate	29.60	1806
Magnesium	19.00	231	Sulfate	42.12	2023 (Grav.)
Iron	.007	0.2	Carbonate	-0-	-0-
Barium	-0-	-0- (Grav.)	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



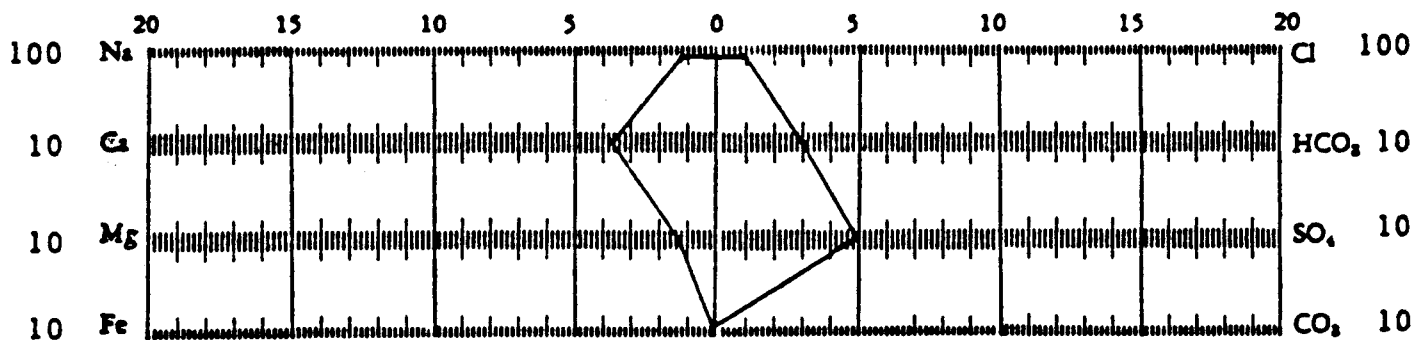
Scale: meq/L

	<u>Actual Plugging Solids</u>	<u>Mg/L</u>
Total Solids		1.13
Organic		1.12
Iron Sulfides		.00
Calcium as CaCO ₃		.00
Magnesium as MgCO ₃		.00
Sulfate as SO ₄		.00
Insoluble Siliceous Residue		.01

**CORE LABORATORIES, INC.***Petroleum Reserve Engineering***DALLAS, TEXAS****WATER ANALYSIS**Page 2 of 8
File IWTL-71107Company Tenneco Oil Company Well Name _____ Sample No. 2Formation Kaibab Depth _____ Sampled From Satellite F. W. K. O.Location _____ Field Upper Valley County Garfield State UtahDate Sampled _____ Date Analyzed 11-3 to 11-4, 1971 Analyst RLCTotal Dissolved Solids 11,604 mg/L calculatedSpecific Gravity 1.0074 @ 74 °F.
1.0102 @ 60° F.Resistivity .750 ohm-meters @ 74 °F. measuredHydrogen Sulfide present - 3.5 ppmpH 6.7 @ 74 °F.

* Constituents	meq/L	mg/L	Constituents	meq/L	mg/L
Sodium	128.14	2946	Chloride	96.42	3418
Calcium	37.03	742	Bicarbonate	31.40	1916
Magnesium	13.00	158	Sulfate	50.42	2421 (Grav.)
Iron	.07	2	Carbonate	-0-	-0-
Barium	-0-	-0-	Hydroxide	-0-	-0-

* All analyses except iron determination performed on a filtered sample.



Scale: meq/L

Actual Plugging Solids

	Mg/L
Total Solids	2.61
Organic	2.32
Iron Sulfides	.21
Calcium as CaCO ₃	.00
Magnesium as MgCO ₃	.00
Sulfate as SO ₄	.00
Insoluble Siliceous Residue	.04



CORE LABORATORIES, INC.
Petroleum Reserve Engineering
DALLAS, TEXAS
WATER ANALYSIS

Page 1 of 13
File IWTL-71101

Company Tenneco Oil Company Well Name _____ Sample No. _____
Formation Kaibab Depth _____ Sampled From W. S. W. No. 1
Location _____ Field Upper Valley County Garfield State Utah
Date Sampled 9-9-71 Date Analyzed _____ Analyst RLC

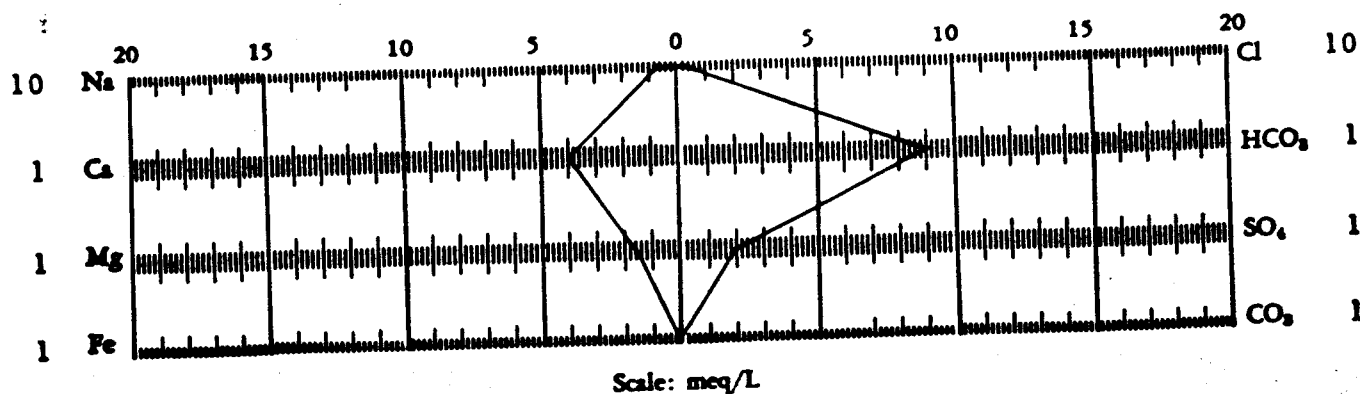
Total Dissolved Solids 995 mg. L calculated

Specific Gravity 1.0027 @ 60 °F.

Resistivity 8.43 ohm-meters @ 74 °F. measured
pH 8.1 @ 74 °F.

Hydrogen Sulfide absent

* Constituents	meq/L	mg L	Constituents	meq/L	mg L
Sodium	6.4	147	Chloride	2.0	64
Calcium	4.0	80	Bicarbonate	9.0	576
Magnesium	2.6	32	Sulfate	2.0	95 (Grav.)
Iron	0.02	0.56	Carbonate	0.0	0.0
Barium	0.0	0.0 (Grav.)	Hydroxide	0.0	0.0



* All analyses except iron determination performed on a filtered sample.

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: Tenneco Oil Exploration & Production Co

FIELD: Upper Valley COUNTY GARFIELD LEASE:

WELL # 25 SEC. 36 TOWNSHIP 36S RANGE 1E

STATE FED. FEE DEPTH 798 TYPE WELL WINJ MAX. INJ. PRESS. 3000

TEST DATE 3/21/84

*Probably
3000 bwpd
@ 600
PSI*

CASING STRING	SIZE	SET AT	CMT sacks	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8"</u>	<u>2995</u>	<u>700</u>	<u>0</u>	<u>No vacuum</u>	
<u>INTERMEDIATE</u>	<u>0</u>					
<u>PRODUCTION</u>	<u>5 1/2"</u>	<u>7198</u>	<u>200</u>			
<u>TUBING</u>	<u>2 7/8"</u>	<u>6900</u>	<u>Packer</u>	<u>455 PSI</u>	<u>= AT well head</u>	

*mjd
3/27/85*

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Tenneco Well No. Upper Valley Unit # 25
 County: Garfield T 36S R 1E Sec. 36 API# 43-017-30033
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	
Schematic Diagram	<u>✓</u>	
Fracture Information	<u>✓</u>	
Pressure and Rate Control	<u>✓</u>	
Adequate Geologic Information	<u>✓</u>	
Fluid Source	<u>Kaibab</u>	

Analysis of Injection Fluid	Yes <u>✓</u>	No <input type="checkbox"/>	TDS <u>11,604</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u>	No <input type="checkbox"/>	TDS <u>11,604</u>

Known USDW in area	<u>None</u>	Depth <u>4500</u>
Number of wells in area of review	<u>1</u>	Prod. <u>1</u> P&A <u>0</u>
		Water <u>0</u> Inj. <u>0</u>

Aquifer Exemption	Yes <input type="checkbox"/> NA <u>✓</u>
-------------------	--

Mechanical Integrity Test	Yes <u>✓</u> No <input type="checkbox"/>
---------------------------	--

Date 3-21-84 Type Bradford

Comments: TOE 5688

Reviewed by: 

Utah
Natural Resources
Oil, Gas and Mining

3 Triad Center, Suite 350,
Salt Lake City, Utah 84180
Phone (801)538-5340

INJECTION WELL
PRESSURE TEST

COMPANY/OPERATOR TENNECO OIL CO. DATE 9/24/86
WELL TYPE: DISPOSAL ☐ ENHANCED RECOVERY ☒ OTHER ☐
WELL NAME: #25 API NO. 43-017-30033 LEASE NO. U-019379
Upper Valley
SECTION 36 TOWNSHIP 36 S RANGE 1 E COUNTY Garfield
SURFACE CASING 8 5/8 @ 2995 WITH 700 SX CEMENT
INTERMEDIATE CASING @ WITH CEMENT
PRODUCTION CASING 5 1/2 @ 7198 WITH 200 SX CEMENT
TUBING 2 7/8 @ 6900
PACKER SET @ 6900 TYPE MODEL "R"

CONDITIONS DURING TEST:

TUBING PRESSURE: Vacuum psig.
CASING/TUBING ANNULUS PRESSURE 340 psig. for 15 minutes
CHANGE DURING TEST 320# → 340# over 15 minutes

CONDITIONS AFTER TEST:

TUBING PRESSURE: Vacuum psig.
CASING/TUBING ANNULUS PRESSURE: 0 psig.

COMMENTS: 6000 BHPD / 300 PSI

Pressure increase during test probably due to warming
of annular fluid.

Dorothy Swindel
WITNESS

WITNESS

Operator Change

SUB. ☒ TRIPLICATE
(Other instructions on reverse side)STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or
Use "APPLICATION FOR PERMIT—" forRECEIVED
FEB 01 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. varies
2. NAME OF OPERATOR Tenneco Oil Company No 950		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 020910
3. ADDRESS OF OPERATOR P.O. Box 3249 Englewood, CO 80155		7. UNIT AGREEMENT NAME Upper Valley Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Upper Valley - Kaibab
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Townships 36S, 37S; Range 1E
		12. COUNTY OR PARISH Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Tenneco Oil Company has sold its interest to the Upper Valley Unit located in various sections of Township 36S, 37S and Range 1E, 2E. The sale was to Citation Oil and Gas Corp. (16800 Greenspoint Park Drive, Suite 300, Houston, Texas 77060) effective 9/1/87. Attached is a list of unit wells which were sold.

No 265

18. I hereby certify that the foregoing is true and correct

SIGNED

Steve Foster

TITLE Sr. Administrative Analyst

DATE 1/27/88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

N0950 to N0265

Eff 9-1-87

UPPER VALLEY UNIT

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DIVISION OF
OIL, GAS & MINING

Upper Valley #1	SE/4NE/4	Sec. 11, T-36-S, R-1-E	43-017-11221 ✓
	Water Injection		
Upper Valley #2	NW/4NW/4	Sec. 13, T-36-S, R-1-E	43-017-16025 ✓
Pow/KBAB			
Upper Valley #3	SE/SW	Sec. 13, T-36-S, R-1-E	43-017-16026 ✓
Pow/KBAB			
Upper Valley #4	SE/SE	Sec. 24, T-36-S, R-1-E	43-017-16027 ✓
W1W Upper Valley #5	SE/SW	Sec. 12, T-36-S, R-1-E	43-017-16028 ✓
Pow/KBAB			
Upper Valley #6	SE/NW	Sec. 13, T-36-S, R-1-E	43-017-20233 ✓
W1W Upper Valley #7	SE/NE	Sec. 24, T-36-S, R-1-E	43-017-20258 ✓
Pow/KBAB			
Upper Valley #8	NW/SW	Sec. 13, T-36-S, R-1-E	43-017-20275 ✓
Pow/KBAB			
Upper Valley #9	NW/SE	Sec. 24, T-36-S, R-1-E	43-017-20324 ✓
Pow/KBAB			
Upper Valley #10	SE/NE	Sec. 25, T-36-S, R-1-E	43-017-30001 ✓
Pow/KBAB			
Upper Valley #11	SE/SE	Sec. 25, T-36-S, R-1-E	43-017-30002 ✓
Pow/KBAB			
Upper Valley #12	NW/SW	Sec. 6, T-37-S, R-2-E	43-017-30015 ✓
Pow/KBAB			
Upper Valley #13	NE/NW	Sec. 24, T-36-S, R-1-E	43-017-30003 ✓
Pow/KBAB			
Upper Valley #14	SE/SE	Sec. 11, T-36-S, R-1-E	43-017-30004 ✓
Pow/KBAB			
Upper Valley #15	SE/SW	Sec. 24, T-36-S, R-1-E	43-017-30005 ✓
W1W Upper Valley #16	SW/NE	Sec. 11, T-36-S, R-1-E	43-017-30007 ✓
PPA			
Upper Valley #17	SE/NE	Sec. 36, T-36-S, R-1-E	43-017-30011 ✓
Pow/KBAB			
Upper Valley #17X	SE/NE	Sec. 36, T-36-S, R-1-E	43-017-30071 ✓
Pow/KBAB			
Upper Valley #18	NW/SW	Sec. 31, T-36-S, R-2-E	43-017-30012 ✓
W1W / KBAB			
Upper Valley #19	NW/NW	Sec. 6, T-37-S, R-2-E	43-017-30013 ✓
Pow/KBAB			
Upper Valley #20	NW/NE	Sec. 25, T-36-S, R-1-E	43-017-30014 ✓
Pow/KBAB			
Upper Valley #21	NW/NW	Sec. 7, T-37-S, R-2-E	43-017-30021 ✓
PPA			
Upper Valley #22	SE/NW	Sec. 14, T-36-S, R-1-E	43-017-30025 ✓
W1W Upper Valley #23	SE/NW	Sec. 30, T-36-S, R-2-E	43-017-30030 ✓
W1W Upper Valley #24	NE/NE	Sec. 23, T-36-S, R-1-E	43-017-30041 ✓
W1W Upper Valley #25	SW/SE	Sec. 36, T-36-S, R-1-E	43-017-30033 ✓

RECEIVED
FEB 01 1988

UPPER VALLEY UNIT (Continued)

DIVISION OF
OIL, GAS & MINING

W1w Upper Valley #26	SW/SW	Sec. 24, T-36-S, R-1-E	43-017-30036 ✓
Pow/KBAB			
Upper Valley #27	NW/SE	Sec. 7, T-37-S, R-2-E	43-017-30039 ✓
Pow/KBAB			
Upper Valley #28	NW/NE	Sec. 24, T-36-S, R-1-E	43-017-30032 ✓
Pow/KBAB			
Upper Valley #29	SW/SW	Sec. 13, T-36-S, R-1-E	43-017-30034 ✓
Pow/KBAB			
Upper Valley #30	SE/NW	Sec. 24, T-36-S, R-1-E	43-017-30037 ✓
Pow/KBAB			
Upper Valley #31	SE/NE	Sec. 14, T-36-S, R-1-E	43-017-30042 ✓
Pow/KBAB			
Upper Valley #32	NW/SE	Sec. 25, T-36-S, R-1-E	43-017-30043 ✓
W1w Upper Valley #33	NW/NE	Sec. 36, T-36-S, R-1-E	43-017-30047 ✓
W1w Upper Valley #34	SW/NE	Sec. 13, T-36-S, R-1-E	43-017-30065 ✓
W1w Upper Valley #36	NW/NE	Sec. 14, T-36-S, R-1-E	43-017-30048 ✓

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. N/A	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 8223 Willow Place South, Ste. 250, Houston, TX 77070		8. FARM OR LEASE NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 25 miles NE of Escalante, Utah Upper Valley Unit		9. WELL NO. 25	
10. FIELD AND POOL, OR WILDCAT Upper Valley		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA Sec 36, T36S, R1E	
14. API NO. N/A	15. ELEVATIONS (Show whether DF, RT, GR, etc.) N/A	12. COUNTY Garfield	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Saltwater Spill</u>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On February 19, 1991, at approximately 12:30 PM, a saltwater spill was discovered at the Upper Valley Unit Well No. 25. Cause of the spill was exterior corrosion on an injection line. Approximately 25 barrels of saltwater was spilled which ran into Canaan Creek. Due to the volume spilled being only 25 barrels, it soaked into the ground before it reached the Little Valley Catch Basin. The leak from the injection line was immediately isolated upon discovery of the spill and repaired with a weld patch. It took approximately three hours to clean up the spill. There were no personal injuries associated with this incident.

RECEIVED

MAR 08 1991

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Pat Johnson</u>	TITLE <u>Administrative Asst.</u>	DATE <u>3/01/91</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. <div style="text-align: center;">N/A</div>	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <div style="text-align: center;">N/A</div>	
2. NAME OF OPERATOR Citation Oil & Gas Corp.		7. UNIT AGREEMENT NAME <div style="text-align: center;">N/A</div>	
3. ADDRESS OF OPERATOR 8223 Willow Place South, Ste. 250, Houston, TX 77070		8. FARM OR LEASE NAME <div style="text-align: center;">N/A</div>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 25 miles NE of Escalante, Utah At proposed prod. zone Upper Valley Unit (Pipeline)		9. WELL NO. <div style="text-align: center;">25</div>	
14. API NO. 43-017-30023 WW		15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">-</div>	
12. COUNTY Garfield		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
 FRACTURE TREAT ☐
 SHOOT OR ACIDIZE ☐
 REPAIR WELL ☐
 (Other) ☐

PULL OR ALTER CASING ☐
 MULTIPLE COMPLETE ☐
 ABANDON ☐
 CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
 FRACTURE TREATMENT ☐
 SHOOTING OR ACIDIZING ☐
 (Other) Saltwater Spill

REPAIRING WELL ☐
 ALTERING CASING ☐
 ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On April 2, 1991, at approximately 10:00 AM, a saltwater spill was discovered at the Upper Valley Unit #25 Pipeline R.O.W. Cause of the spill was exterior corrosion. Approximately 25 barrels of saltwater with a trace of oil was spilled. Since the pipeline runs parallel with Canaan Creek, the saltwater soaked into the dry creek bed and was contained therein. The pipeline was repaired with a weld patch. It took approximately six hours to clean up the spill and repair the pipeline. There were no personal injuries associated with this incident.

RECEIVED

APR 08 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Pat Johnson

TITLE Administrative Asst.

DATE 4-3-91

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Utah Division of Oil, Gas, and Mining
Casing — ~~Bradenhead Test~~

Operator: CITATION OIL AND GAS

Pressure
Field/Unit: UPPER VALLEY

Well: #25

Township: 36S Range: 01E Sect: 36

API: 43-017-30033

Welltype: INJW Max Pressure: 300

Lease type: FEDERAL

Surface Owner: FOREST

Test Date:

2:15

9/16/11

CASING STRING	SIZE	SET AT	PRESSURE	OBSERVATIONS
---------------	------	--------	----------	--------------

Surface:	8 5/8	2995		
----------	-------	------	--	--

Intermediate:		0		
---------------	--	---	--	--

Production:	5 1/2	7198		
-------------	-------	------	--	--

Other:		0		
--------	--	---	--	--

Tubing:	2 7/8			
---------	-------	--	--	--

Packer:		6900		
---------	--	------	--	--

Recommendations:

P. Jarvis

TP = 220

*300 psi held
15 min.*

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. U-019378
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME Upper Valley Unit	
2. NAME OF OPERATOR Citation Oil & Gas Corp.	8. FARM OR LEASE NAME Upper Valley	
3. ADDRESS OF OPERATOR 8223 Willow Place So., Ste. 250, Houston, TX 77070	9. WELL NO. 25	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1,440' FEL & 620' FSL At proposed prod. zone	10. FIELD AND POOL, OR WILDCAT Upper Valley	
	11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 36, T36S, R1E	
14. API NO. 43-017-30032	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7,720' KB	12. COUNTY Garfield
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Follow-Up Spill Report</u>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

On December 20, 1993, at approximately 8:45 AM, a salt water spill was discovered at the Upper Valley Unit. Cause of the spill was due to exterior corrosion on a water injection line leading to well number 25. Approximately 10 barrels of salt water leaked from the injection line and traveled approximately 400 yards down a dry wash where it was fully contained above a road crossing. Due to the porosity of the soil, none of the salt water was able to be recovered. Approximately 60' of the old injection line was replaced with new line pipe.

RECEIVED

DEC 27 1993

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED Pat Johnson TITLE Adm. Engineering Supv. DATE 12/22/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

cc: JC, TD, MB, KK, Well File, AEG



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 19, 1996

Citation Oil & Gas Corp.
8223 Willow Place S Suite 250
Houston, Texas 77070-5623

Re: Pressure Test for Mechanical Integrity, Injection Wells,
Upper Valley Field, Garfield County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the wells for testing during the week of September 16, 1996 as outlined below:

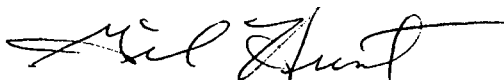
1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

Page 2
Citation Oil & Gas Corp.
August 19, 1996

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5338 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gil Hunt".

Gil Hunt
Environmental Manager, Oil & Gas

Enclosure

CITATION OIL	43-017-11221	#1
CITATION OIL	43-017-30007	#16
CITATION OIL	43-017-16028	#5
CITATION OIL	43-017-30065	#34
CITATION OIL	43-017-30048	#36
CITATION OIL	43-017-30041	#24
CITATION OIL	43-017-30036	#26
CITATION OIL	43-017-30130	#39
CITATION OIL	43-017-20258	#7
CITATION OIL	43-017-30047	#33
CITATION OIL	43-017-30033	#25
CITATION OIL	43-017-30030	#23
CITATION OIL	43-017-30013	#19

36S	01E	11	INJW
36S	01E	11	INJW
36S	01E	12	INJW
36S	01E	13	INJW
36S	01E	14	INJI
36S	01E	23	INJW
36S	01E	24	INJI
36S	01E	24	INJW
36S	01E	24	INJI
36S	01E	36	INJW
36S	01E	36	INJW
36S	02E	30	INJW
37S	02E	6	INJW

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>10/2/96</u>	Well Owner/Operator: <u>Citation</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-017-30033</u>	Well Name/Number: <u>#25</u>
Section: <u>36</u>	Township: <u>36S</u> Range: <u>1E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: VAC psi

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

<u>Time (Minutes)</u>	<u>Annulus Pressure</u>	<u>Tubing Pressure</u>
0		
5	<u>3/5</u>	<u>100</u>
10	<u>3/5</u>	<u>100</u>
15	<u>3/5</u>	<u>100</u>
20		
25		
30		

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: Vac psi

Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

Passed MIT

Operator Representative

D. Jarvis
DOGM Witness

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

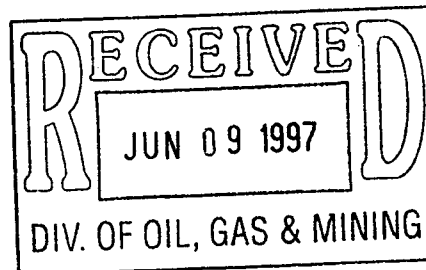
Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Injection Wells	5. Lease Designation and Serial Number: 6. If Indian, Allottee or Tribe Name: 7. Unit Agreement Name: Upper Valley Unit
2. Name of Operator: Citation Oil & Gas Corp.	8. Well Name and Number: Various
3. Address and Telephone Number: 8223 Willow Place South, Suite 250, Houston, Texas 77070-5623 (281) 469-9664	9. API Well Number: Various 43-017-30033
4. Location of Well: Footages: Various QQ, Sec., T., R., M.: Sec. 6/7, T37S, R2E; Sec. 11, 12, 13, 14, 23, 24, 25 & 36, T36S, R1E; Sec. 30/31, T36S, R2E	10. Field and Pool, or Wildcat: Upper Valley County: Garfield State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other Increase Injection Pressure Fieldwide</td> </tr> </table> <p>Approximate date work will start Upon Approval</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other Increase Injection Pressure Fieldwide		<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment*</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of work completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form</p> <p>* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment*	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
- Citation Oil & Gas Corp. requests approval to increase the permitted injection pressure for this field to a maximum of 500 psi for each well on the attached list. This request is made because current injection pressure requirements exceed the authorized injection pressure allowed under the permit.**

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6-6-97
BY: [Signature]



13. Name & Signature: <u>[Signature]</u>	Debra Harris	Title: <u>Regulatory Analyst</u>	Date: <u>6/6/97</u>
--	--------------	----------------------------------	---------------------

(This space for State use only)

Current Permitted Injection Pressures / Injection Rates (per day):

Upper Valley #1	300 psi / 6000 bbls	API #43-017-22100- 11221
Upper Valley #5	300 psi / 6000 bbls	API #43-017-16028
Upper Valley #16	300 psi / 6000 bbls	API #43-017-30007
Upper Valley #19	250 psi / 6000 bbls	API #43-017-30013
Upper Valley #23	300 psi / 6000 bbls	API #43-017-30030
Upper Valley #24	300 psi / 6000 bbls	API #43-017-30041
→ Upper Valley #25	300 psi / 6000 bbls	API #43-017-30033
Upper Valley #33	300 psi / 6000 bbls	API #43-017-30047
Upper Valley #34	300 psi / 6000 bbls	API #43-017-30065
Upper Valley #39	250 psi / 6000 bbls	API #43-017-30130

Per Lisha Cordova, State of Utah, Oil, Gas & Mining

INJECTION WELL - PRESSURE TEST

Well Name: <u>UV #25</u>	API Number: <u>43-019-30033</u>
Qtr/Qtr: <u>SWSE</u> Section: <u>36</u>	Township: <u>36S</u> Range: <u>1E</u>
Company Name: <u>Citation Oil & Gas</u>	
Lease: State _____ Fee _____	Federal _____ Indian _____
Inspector: <u>D. Jones</u>	Date: <u>10/2/01</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: 0 psi

Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>0</u>	_____
5	<u>300</u>	_____
10	<u>300</u>	_____
15	<u>30</u>	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

Casing/Tubing Annulus Pressure: _____ psi

COMMENTS: PASSED MIT.

_____Kenneth A. Judge
Operator Representative

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <input type="checkbox"/> OIL <input type="checkbox"/> </div> <div style="text-align: center;"> <input type="checkbox"/> GAS <input type="checkbox"/> </div> <div> OTHER: Water Injection Well </div> </div>	5. Lease Designation and Serial Number: U 019378
	6. If Indian, Allottee or Tribe Name:
	7. Unit Agreement Name: Upper Valley Unit
	8. Well Name and Number: Upper Valley Unit # 25
2. Name of Operator Citation Oil & Gas Corp.	9. API Well Number: 43-017-30033
3. Address and Telephone Number: P O Box 690688, Houston, Texas 77269 (281) 517-7800	10. Field and Pool, or Wildcat: Upper Valley Kaibab
4. Location of Well Footages: 1440' FEL & 620' FSL QQ, Sec., T., R., M.: SW SE SEC. 36-36S-1E	County: Garfield State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>
Approximate date work will start 2002	Date of work completion _____ <small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form * Must be accompanied by a cement verification report.</small>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Citation Oil & Gas Corp. proposes to acidize the Upper Valley Unit's nine injection wells with 15% HCL with iron sequesterant, mutual solvent, non-emulsifying agent and inhibitor to reduce injection pressures. The amount will be based on current pressure and perforated intervals.

13. Name & Signature: Sharon Ward Sharon Ward Title: Regulatory Administrator Date: 1/16/02

(This space for State use only)

(12/92)

COPY SENT TO OPERATOR
Date: 01/28/02
Initials: CHS

(See Instructions on Reverse Side)

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: 01-28-02
By: [Signature]

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

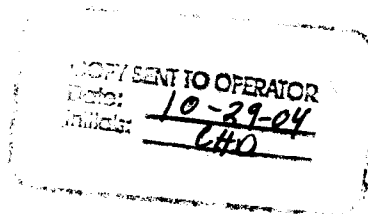
Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL GAS OTHER: Injection Well <input type="checkbox"/> <input type="checkbox"/>	5. Lease Designation and Serial Number: U 013734
2. Name of Operator Citation Oil & Gas Corp.	6. If Indian, Allottee or Tribe Name:
	7. Unit Agreement Name: Upper Valley Unit
3. Address and Telephone Number: P O Box 690688, Houston, Texas 77269 (281) 517-7800	8. Well Name and Number: Various
4. Location of Well Footages: QQ, Sec., T., R., M.: S-36 T 36S R01E	9. API Well Number: 43-017-30033
	10. Field and Pool, or Wildcat: Upper Valley Kaibab
	County: Garfield State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ </div> <div> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>
Approximate date work will start _____	Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
- Citation Oil & Gas Corp. requests permission to acidize the following injection wells to improve injection performance using a combined total of 7500 gallons of 15% HCl acid containing iron sequestering and chelating agents, surfactant, and non-emulsifying chemicals. A proposed treating volume based on net perforated feet of pay and injection volume capacity is attached.**
- API #
- Upper Valley Unit 1 - 4301711221
 - Upper Valley Unit 5 - 4301716028
 - Upper Valley Unit 16 - 4301730007
 - Upper Valley Unit 19 - 4301730013
 - Upper Valley Unit 23 - 4301730030
 - Upper Valley Unit 25 - 4301730033
 - Upper Valley Unit 33 - 4301730047
 - Upper Valley Unit 34 - 4301730065
 - Upper Valley Unit 39 - 4301730130



13. Name & Signature: Bridget Alexander **Bridget Alexander** Title: Regulatory Assistant Date: 10/20/04

(This space for State use only)

(12/92)

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

(See Instructions on Reverse Side)

DATE: 10/27/04
BY: [Signature]

Federal Approval Of This
Action Is Necessary

**RECEIVED
OCT 26 2004**

DIV. OF OIL, GAS & MINING

UVU INJECTION WELL ACIDIZING SCHEDULE

<u>UVU WELL #</u>	<u>PROPOSED ACIDIZING VOLUME (gals 15% HCl)</u>
1	600
5	600
16	600
19	1050
23	600
25	950
33	1500
34	400
39	1200

Total = 7500 gallons

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">OIL <input type="checkbox"/></div> <div style="text-align: center;">GAS <input type="checkbox"/></div> <div style="text-align: center;">OTHER: Injection Well</div> </div>	5. Lease Designation and Serial Number: U 013734
	6. If Indian, Allottee or Tribe Name:
	7. Unit Agreement Name: Upper Valley Unit
	8. Well Name and Number: Various
2. Name of Operator Citation Oil & Gas Corp.	9. API Well Number:
3. Address and Telephone Number: P O Box 690688, Houston, Texas 77269 (281) 517-7800	10. Field and Pool, or Wildcat: Upper Valley Kaibab
4. Location of Well Footages: QQ, Sec., T., R., M.:	County: Garfield State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div style="width: 50%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Abandonment* <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Other _____ </div> <div style="width: 50%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input checked="" type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div>
Approximate date work will start _____	Date of work completion _____ <small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form</small> <small>* Must be accompanied by a cement verification report.</small>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
On 12/28/2004, Citation Oil & Gas Corp. acidized the following wells using a total of 7650 gallons 15% HCL with additives as previously approved by your office. The wells were returned to injection following the acidization.

Upper Valley Unit 1 - 600 gals displaced with 9 bbls
 Upper Valley Unit 5 - 600 gals displaced with 7 bbls
 Upper Valley Unit 16 - 600 gals displaced with 7 bbls
 Upper Valley Unit 19 - 1050 gals displaced with 25 bbls
 Upper Valley Unit 23 - 1000 gals displaced with 8 bbls
 Upper Valley Unit 25 - 1000 gals displaced with 9 bbls
 Upper Valley Unit 33 - 1200 gals displaced with 47 bbls
 Upper Valley Unit 34 - 500 gals displaced with 7 bbls
 Upper Valley Unit 39 - 1100 gals displaced with 8 bbls

*T 365 ROIE 5-36
43-019-30033*

**RECEIVED
JAN 11 2005**

DIV. OF OIL, GAS & MINING

13. Name & Signature: *Debra Harris* **Debra Harris** Title: **Prod/Reg Coordinator** Date: **1/4/2005**

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER Injection

2. NAME OF OPERATOR:
Citation Oil & Gas Corp.

3. ADDRESS OF OPERATOR:
P O Box 690688 CITY Houston STATE TX ZIP 77269

PHONE NUMBER:
(281) 517-7800

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 620 FSL & 1440 FEL

COUNTY: Garfield

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 36 36S 1E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>11/8/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input checked="" type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation Oil & Gas Corp. requests permission to repair a suspected casing leak in the above well and return to injection with the attached procedure. Citation plans to start this work on November 8, 2006.

COPY SENT TO OPERATOR
Date: 11/14/06
Initials: DM

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 11/14/06
By: [Signature]

NAME (PLEASE PRINT) Sharon Ward

TITLE Permitting Manager

SIGNATURE Sharon Ward

DATE 11/7/2006

(This space for State use only)

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NOV 13 2006

Well History Summary

Updated: 10/30/2006 CSS

Well: Upper Valley Unit #25

API: 43-017-30033 Lease #: U-019378
COG: WI: 99.90% NRI: 86.35%

Location: 620' FSL, 1440' FEL (SE/SW/SE), Sec 36-T36S-R1E
Garfield County, Utah

Elevations: 7257' GL 7270' KB
TD: 7198' KB PBTD: 7115' KB

Casing: 8-⁵/₈" 24# K-55 @ 2995' w/ 700 sx (13-³/₄" Hole)
5-¹/₂" 15.5# K-55 @ 7198' w/ 200 sx (7-⁷/₈" Hole)

Tubing: 2-⁷/₈" 6.5# J-55 8rd EUE plastic coated w/ Baker Model "R" double pkr @ 6678'
(Original compl – unknown if XO)

Init Compl: 7/4/71: Perf K-4: 7094' – 7104' w/ 2Jspf. Acid w/ 4500 gal 15% HCl. Tested 99% water.
Acid w/ 5000 gal 28% HCl. Perf K-2: 7014' – 7020' w/ 2Jspf. Acid w/ 500 gal 15% HCl.

IP: 122 BOPD & 500 BWPD

Perforations: K-1: 6946, 6949, 6952, 6960, 6962, 6966, 6972 (Compl & acid: 3/72, Acid: 7/89)
K-2: 6990' – 6993' (Compl & acid: 3/72, Acid: 7/89)
K-2: 7014' – 7020' 2Jspf (Compl & acid: 7/71, Acid: 8/71, 3/72, 7/89)
K-3: 7035, 7038, 7042, 7049, 7051, 7053 (Compl & acid: 3/72, Acid: 7/89)
K-4: 7094' – 7104' 2Jspf (Compl & acid: 7/71, Acid: 8/71, 3/72, 7/89)

Well Status: Active Injector

Workovers:

8/25/71 Acid K-2 w/ 3000 gal 28% HCl.

3/9/72 Perf K-1: 6946, 6949, 6952, 6960, 6962, 6966, 6972. Perf K-2: 6990' – 6993'. Perf K-3:
7035, 7038, 7042, 7049, 7051, 7053. Acid all w/ 4500 gal 15%.

3/25/73 Put well on water injection.

12/1/79 RA survey indicated injecting into K-4 perms only.

7/13/89 Acid w/ 800 gal.

10/2/96 Passed MIT

1-30-02 Acid w/ 850 gal

12-15-04 Acidize w/950 gal 15%

Work Over Procedure:

Comments: 1. Failed MIT could either be a hole in the casing or a leaking packer.

Objective: Obtain MIT and return well to injection.

1. MIRUSU.
2. ND Tree. NU 3M BOP's. Release Model R packer and TOOH w/ 2 7/8" tubing, standing back. Perform visual inspection of tubing.
3. PU and TIH with 4 5/8" bit and scraper to PBTD at 6298'.
4. RIH with RBP and PKR for 5 1/2" 15.5# K-55 casing. Set RBP @ 5600' PU and set packer @ 5595'. Test RBP to 1000 psi.
5. Navajo formation is located from 3410 to 5438'.
6. Isolate casing leak.
7. Once hole is located, establish injection rate and pressure (Monitor 5 1/2" x 8 5/8" annulus). Report results to Chad Stallard. Pressure test casing annulus to 500 psi to ensure there are no additional leaks up hole.
8. RIH and release RBP and PUH and set 50' below hole in casing and test to 1000 psi. Once tested dump 2 sacks sand on top. Set packer 200' above hole in casing.
9. RU Pump company and mix and squeeze cement as follows:
10. SD and wait on cement.
11. RDMO pump company.
12. Pressure test leak to 500 psi in morning before POOH and TIH with 4 5/8" bit and drill out cement. Will need 4-4 3/4" drill collars to drill out cement and pressure test squeeze perfs to 500# for 15 minutes.
13. If squeeze holds, POOH and PU RBP retrieving head and wash out to RBP and POOH with RBP.
14. TI with injection assembly, set injection packer at 5915' and MIT well. Coordinate MIT with State and BLM.
15. Do not return well to injection prior to obtaining approval from regulatory agency.
16. RDMOSU.

Notes:

- 5 1/2" 15.5# J-55 casing 4.95" ID, 4.825" Drift ID and 0.0238 bbl/ft. capacity.

List of Citation Contacts

Foreman	Gary Harding
Engineer	Chad Stallard
Engineer	Jeff Teare

Office: 435.826.4245

Office: 281-517-7527 Cell: 713.249.4671

Office 281-517-7199 Cell: 713-731-2514

CITATION OIL AND GAS CORPORATION

WELLBORE DIAGRAM AND INFORMATION

Well Name: UVU #25 Field: Upper Valley Unit
 Updated: 7/3/03 TJU Location: (SE/SW/SE), Sec 36-T36S-R1E
 County: Garfield State: Utah
 Current Stat: Active Injector

Surface: 620' FSL, 1440' FEL (SE/SW/SE)
 Sec 36-T36S-R1E
 Garfield County, Utah
 Completed: 7/4/71
 Elevation: Unknown
 KB: 7720'
 API #: 43-017-30033

Wellhead = Unknown

8-5/8" 24# K-55 @ 2995' w/ 700 sx (13-3/4" Hole)

TUBING DETAIL

Qty	Description	Length	Depth
---	KB		
2-7/8" 6.5# J-55 8rd EUE plastic coated w/ Baker Model "R"			
	double pkr @ 6678' (Original compl - unknown if XO)		

TOC @ Unknown

K-1: 6946, 6949, 6952, 6960, 6962, 6966, 6972 (Compl & acid: 3/72, Acid: 7/89, 1/02)
 K-2: 6990' - 6993' (Compl & acid: 3/72, Acid: 7/89, 1/02)
 K-2: 7014' - 7020' 2Jspf (Compl & acid: 7/71, Acid: 8/71, 3/72, 7/89, 1/02)
 K-3: 7035, 7038, 7042, 7049, 7051, 7053 (Compl & acid: 3/72, Acid: 7/89, 1/02)
 K-4: 7094' - 7104' 2Jspf (Compl & acid: 7/71, Acid: 8/71, 3/72, 7/89, 1/02)

7-7/8"
Hole

5-1/2" 15.5# K-55 @ 7198' w/ 200 sx

PBTD: 7115'
 TD: 7198'



November 7, 2006

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

43 · 017 · 30033
36 S 1E 36

Attn: Dan Jarvis
UIC Department

RE: Response to Letter October 26, 2006
Repair of Suspected Casing Leak
Upper Valley Unit 16, 25, 33

Dear Mr. Jarvis:

Citation is responding to your letter dated October 26, 2006 regarding failed mechanical integrity tests that were run on the Upper Valley Unit 16, 25 and 33 wells on October 24, 2006.

We suspect these wells may have casing leaks and submit the enclosed procedures to repair, test and return to injection upon your approval.

I am faxing this information to you today and requesting verbal approval from you to start work on the Upper Valley 25 on Wednesday November 8, 2006. Upon completion of this well we will move to the Upper Valley 16 and finally the Upper Valley 33 well.

Citation will submit the subsequent sundries upon completion of the repairs and successful MIT's of each of these procedures.

If you require additional information from Citation in order to process this request, please contact the undersigned, at 281-517-7309 or Chad Stallard at 281-517-7527. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Ward".

Sharon Ward
Permitting Manager
Citation Oil & Gas Corp.

RECEIVED

NOV 13 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: U 019378
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 77269		7. UNIT or CA AGREEMENT NAME: Upper Valley Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 620 FSL & 1440 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 36 36S 1E		8. WELL NAME and NUMBER: Upper Valley Unit 25
PHONE NUMBER: (281) 517-7800		9. API NUMBER: 4301730033
		10. FIELD AND POOL, OR WILDCAT: Upper Valley Kaibab
		COUNTY: Garfield
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/14/2006			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation Oil & Gas Corp. MI RU PU bit and scraper. RIH to 6667' POOH. PU BP & pkr. RIH set plug @ 6637' and tested plug to 1000 psi. Pumped down back side to determine csg leak. Pressured up to 400 #. Pulled to 4689' tested to 1000 psi. OK. Pulled to 4106, 4415, 4291, 4231, 4167 all tested OK. Found csg leak between 4167 & 4199'. Set pkr @ 3947' pressure above pkr OK. RU Halliburton, pressure tested lines to 3000 psi. Casing above pkr 1000 psi. Pumped 10 bbls FW @ 4 bpm. Cemented w/200 sacks cement Thixotropic type 5 with 10% Cal-seal, 1% calcium chloride. Pressure tested to 500 psi. OK. Released pkr and POOH. PU bit & drill collars. RIH w/50 stands. Tagged cement @ 3786'. Drilled out cmt to 4220'. Pressure tested csg to 500 psi for 15 min. OK. RIH tagged plug, washed sand off, POOH. PU tool RIH retrieved plug. POOH. PU Baker Model R pkr. Set @ 6678'. Set WH slips & packing. Filled w/110 gal pkr fluid & production wtr. Pressure tested pkr & csg to 500 psi for 15 min. OK. Hooked up pressure chart. Pressured up to 300 psi for 1 hour. RD MO. See attached test and chart.

NAME (PLEASE PRINT) Sharon Ward	TITLE Permitting Manager
SIGNATURE <u>Sharon Ward</u>	DATE 11/15/2006

(This space for State use only)

RECEIVED
NOV 20 2006



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (435) 781-4400
Fax: (435) 781-4410

IN USFLV REPORT 101

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

LEASE NO.: _____
 COMPANY NAME: Citation Oil & Gas DATE: 11-14-06
 WELL NAME: Upper Valley Unit #25 PERMIT NO.: _____
 FIELD NAME: Upper Valley Unit COUNTY: Garfield
 WELL LOCATION: 1/4 1/4 SEC. 36 TWN. 36S RNG. 1E
 WELL TYPE: SWD X ER _____ 2H _____ OTHER: _____
 TYPE OF PACKER: BAKER model R TOTAL DEPTH 7198
 PACKER SET DEPTH (ft): 6678'
 SURFACE CASING SIZE: 8 5/8 FROM: 0 FT. to 2995 FT.
 CASING SIZE: 5 1/2 FROM: 0 FT. to 7198 FT.
 TUBING SIZE: 2 7/8 8RD TUBING PRESSURE DURING TEST: 0 PSIG
 TIME OF DAY: 1230 am/pm (pm)

TIME (min)	TEST 1	TEST 2
0	<u>300</u> psig	_____ psig
5	<u>300</u> psig	_____ psig
10	<u>300</u> psig	_____ psig
15	<u>300</u> psig	_____ psig
20	<u>300</u> psig	_____ psig
25	<u>295</u> psig	_____ psig
30	<u>295</u> psig	_____ psig
35	<u>295</u> psig	_____ psig
40	<u>290</u> psig	_____ psig
45	<u>290</u> psig	_____ psig
50	<u>285</u> psig	_____ psig
55	<u>285</u> psig	_____ psig
60	<u>280</u> psig	_____ psig

TEST CONDUCTED BY: Larry Harding
 INSPECTED BY: _____
 OTHERS PRESENT: Brian Bush

MONDAY

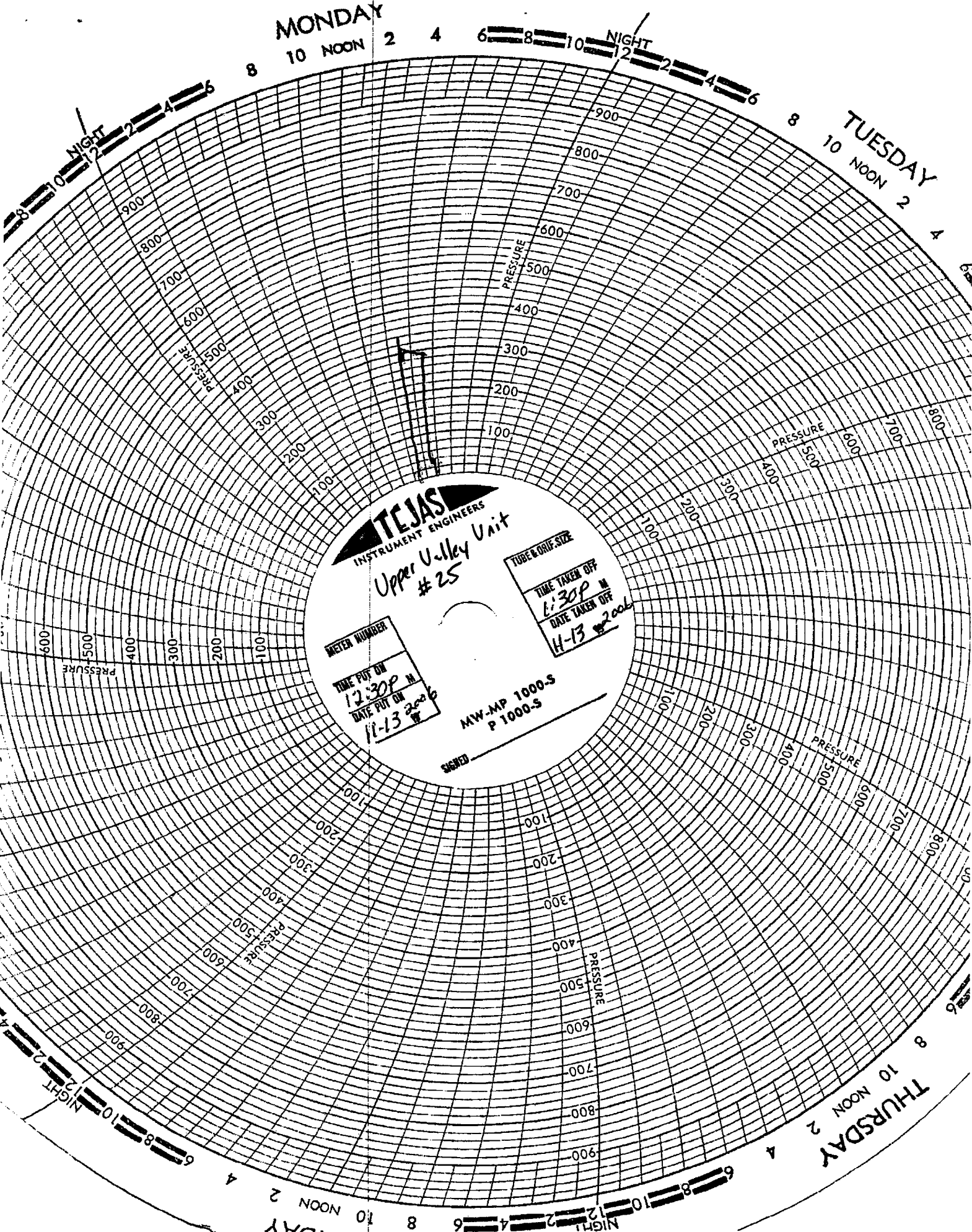
NIGHT

TUESDAY

10 NOON

THURSDAY

10 NOON



STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: UPPER VALLEY UNIT #25 API Number: 4301730033000
 Qtr/Qtr: SW SE Section: 36 Township: 36S Range: 1E
 Company Name: CITATION
71-019378
 Lease: State _____ Fee _____ Federal _____ Indian _____
 Inspector: T. S. WILSON Date: 10/24/06

Initial Conditions:

Tubing - Rate: 5361 BBL/04 Pressure: 0 psi

Casing/Tubing Annulus - Pressure: _____ psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>360</u>	_____
5	_____	_____
10	_____	_____
15	_____	_____
20	_____	_____
25	_____	_____
30	_____	_____

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: _____ psi

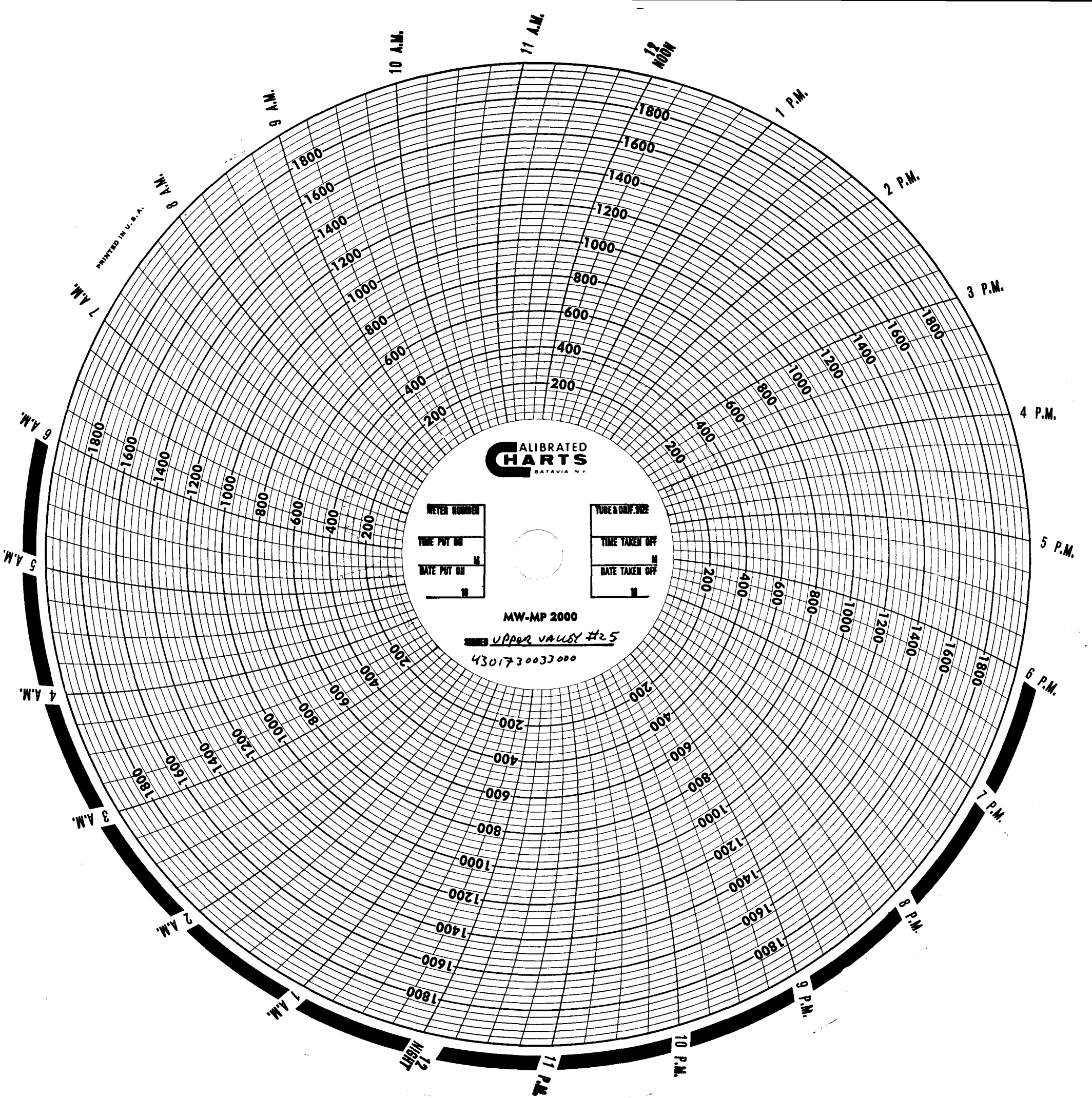
Casing/Tubing Annulus Pressure: _____ psi

COMMENTS: COULD NOT HOLD PRESSURE TRIED 3 TIMES TO 360
EVERYTIME DROPPED OFF AFTER PUMP DISENGAGED. FAILED TEST

Glenn Wilson
 Operator Representative

55 BBLs USED & COULD NOT
HOLD PRESSURE.

PRINTED IN U.S.A.



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: U 019378
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77269</u>		7. UNIT or CA AGREEMENT NAME: Upper Valley Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>620 FSL & 1440 FEL</u>		8. WELL NAME and NUMBER: Upper Valley Unit 25
10. FIELD AND POOL, OR WILDCAT: Upper Valley Kaibab		9. API NUMBER: 4301730033
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>SWSE 36 36S 1E</u>		10. FIELD AND POOL, OR WILDCAT: Upper Valley Kaibab
COUNTY: <u>Garfield</u>		STATE: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input checked="" type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>11/14/2006</u>			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Citation Oil & Gas Corp. MI RU PU bit and scraper. RIH to 6667' POOH. PU BP & pkr. RIH set plug @ 6637' and tested plug to 1000 psi. Pumped down back side to determine csg leak. Pressured up to 400 #. Pulled to 4689' tested to 1000 psi. OK. Pulled to 4106, 4415, 4291, 4231, 4167 all tested OK. Found csg leak between 4167 & 4199'. Set pkr @ 3947' pressure above pkr OK. RU Halliburton, pressure tested lines to 3000 psi. Casing above pkr 1000 psi. Pumped 10 bbls FW @ 4 bpm. Cemented w/200 sacks cement Thixotropic type 5 with 10% Cal-seal, 1% calcium chloride. Pressure tested to 500 psi. OK. Released pkr and POOH. PU bit & drill collars. RIH w/50 stands. Tagged cement @ 3786'. Drilled out cmt to 4220'. Pressure tested csg to 500 psi for 15 min. OK. RIH tagged plug, washed sand off, POOH. PU tool RIH retrieved plug. POOH. PU Baker Model R pkr. Set @ 6678'. Set WH slips & packing. Filled w/110 gal pkr fluid & production wtr. Pressure tested pkr & csg to 500 psi for 15 min. OK. Hooked up pressure chart. Pressured up to 300 psi for 1 hour. RD MO. See attached test and chart.

NAME (PLEASE PRINT) Sharon Ward

TITLE Permitting Manager

SIGNATURE

Sharon Ward

DATE 11/15/2006

(This space for State use only)

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

FEB 09 2007

DIV. OF OIL, GAS & MINING



DAILY WORKOVER REPORT

Field: upper Valley unitWell: #25Date: 11-13-06Rpt # 7

AFE #:

Rig # 9Reported By: Gary Harding

AFE Amount:

Objective: Comp Job

Current Activity:

Details of Past 24 Hrs Operations

finished pool, plus pkr Baker model R RIN to 6678'.
 Set well head slips + packing filled with 110 Gal packer
 fluid + production water. pressure tested pkr + csy to 500 psi
 held for 15 min @. Hooked up pressure Chart pressure
 up to 300 psi for 1 hr drop to 280 psi. Called Chad.
 Rigged down + moved to #16. moved pump, pit tank +
 Bop to #16

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	5365.00	33,732.00	Cementing:	—	31,519.00
Labor			Supervision:		
Trucking	3645.00	8449.00	Tbg, Rods, Pumps		
Mud & Water	—	1952.00	Other		
Rentals			Weatherford	3282.00	11,891.00
Supplies					
			Contingency		
			Total Daily Cost:	12,292.00	87,543.00



DAILY WORKOVER REPORT

Field: Upper Valley UnitWell: #25Date: 11-12-06Rpt #: 6

AFE #: _____

Rig #: 9Reported By: Gary Harding

AFE Amount: _____

Objective: _____

Current Activity: _____

Details of Past 24 Hrs Operations

Drilled out Cement to 4220' pressure tested CS9 to 500 psi for 15 min @. RTH tag plug wash sand off pooh plu Tool RTH retrieved plug pooh 200 Jts. SLON

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	5535 ⁰⁰	28,367 ⁰⁰	Cementing	—	31,519 ⁰⁰
Labor	—	4804 ⁰⁰	Supervision	—	—
Trucking	—	1952 ⁰⁰	Tbg, Rods, Pumps	—	—
Mud & Water	—	—	Other	—	—
Rentals	—	—	Weatherford	1609 ⁰⁰	8609 ⁰⁰
Wireline	—	—	—	—	—
—	—	—	—	—	—
—	—	—	Contingency	—	—
—	—	—	Total Daily Cost	7144 ⁰⁰	75,251 ⁰⁰
—	—	—	Cumulative Cost	—	—



DAILY WORKOVER REPORT

Field: Upper Valley UnitWell: #25Date: 11-11-06Rpt # 5

AFE #

Rig # 9Reported By: Gary Harding

AFE Amount:

Objective:

Current Activity:

Details of Past 24 Hrs Operations

Tag Cement @ 3786' hooked up power swivel-drilled
cement out to 4193' 31 on

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	5515 ⁰⁰	22,832 ⁰⁰	Cementing	—	31,519 ⁰⁰
Labor			Supervision:		
Trucking	1659 ⁰⁰	4804 ⁰⁰	Tbg, Rods, Pumps		
Mud & Water	—	1952 ⁰⁰	Other		
Rentals			Weatherford	—	7000 ⁰⁰
Wireline					
			Contingency		
			Total Daily Cost	7174 ⁰⁰	68,107
			Cumulative Cost:		



DAILY WORKOVER REPORT

Field: Upper Valley unitWell: #25Date: 11-10-06Rpt #: 4

AFE #: _____

Rig #: 9Reported By: Gary Hardag

AFE Amount: _____

Objective: _____

Current Activity: _____

Details of Past 24 Hrs Operations

pressure test to 500 psi @ released pkr pooh. plu
bit + drill collars R/H 50 stands. Waiting on power
swivels.

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	2933 ⁰⁰	17,317 ⁰⁰	Cementing	—	31,519 ⁰⁰
Labor	—		Supervision:		
Trucking	—	3,145 ⁰⁰	Tbg, Rods, Pumps		
Mud & Water	—	1,952 ⁰⁰	Other		
Rentals			weatherford	—	7000 ⁰⁰
Wireline					
			Contingency		
			Total Daily Cost	2933 ⁰⁰	60,933
			Cumulative Cost		



DAILY WORKOVER REPORT

FRO: Upper Valley UnitWell: #25Date: 11-9-06Rpt #: 3

AFE #: _____

Rig #: 9Reported By: Cathy Harding

AFE Amount: _____

Service: Fixing CS9 leak.

Current Activity: _____

Details of Past 24 Hrs Operations

Set pkr @ 3947' pressure CS9 above pkr (2), waited on Halliburton till 330 p.m. rig up pressure tested lines to 3000 psi CS9 above pkr 1000 psi. pump F.W 10 bbl @ 4 bpm. Started Cement 57.3 bbls @ 5 bpm, 35 bbls away 200 psi, 45 away 250 psi 57 bbls away 480 psi End Cement Started F.W displacement 10 bbls away @ 4 bpm pressure to 1000 psi Cement locked up. Shut down rig pulled up 3 stand. Started reworking out @ 5 bbls 780 psi 15 bbls 720 psi 20 bbls away 400 psi clear water 34 bbls Shut down re-set pkr pressure up ^{tubing} 1000 psi. waited 20 min press held.

200 Sacks Cement Thixotropic Type 5 10% Cal-Seal
1% calcium chloride * Water temp 95°
Density 14.8

Daily Well Cost

Description	Day Cost	Curr. Cost	Description	Day Cost	Curr. Cost
W. Cost	5800.00	14,384.00	Cementing	31,519.00	31,519.00
W. Cost	—	3145.00	Supervision	—	—
W. Cost	—	1952.00	Tbg, Rods, Pumps	—	—
W. Cost	1952.00	1952.00	Other	—	—
W. Cost	—	—	Weatherford	3000.00	7000.00
W. Cost	—	—	Contingency	—	—
W. Cost	—	—	Total Daily Cost	42,271.00	58000.00
W. Cost	—	—	Cumulative Cost	—	—



DAILY WORKOVER REPORT

Field: Upper Valley UnitWell: #25Date: 11-08Rpt #: 2

AFE #:

Rig #: 9Reported By: Gary Harding

AFE Amount:

Objective: Looking for CSg leak

Current Activity:

Details of Past 24 Hrs Operations

p/u B.t + Scraper RIH to 6667' posh. p/u
bridge plug + pkr. RIH set plug @ 6637' tested
plug + tubing to 1000 psi. pump down back side to
determine CSg leak pressure up to 400 lbs 4 bbls per min
pulled 30 stands out 4689' tested @ 1000 psi.
pulled 20 stands out 3485' tested Bad "

RIH 9 " " to 4106' " "

RIH 5 " " 4415' " GOOD

RIH 2 " " 4291' " GOOD

" 1 " " 4231' " GOOD

" 1 " " 4167' " BMD, CSg Held Good

" 1 IT " 4199' " CSg leak

leak Between 4167' + 4199'

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	5392 ⁰⁰	8584 ⁰⁰	Cementing		
Labor			Supervision		
Trucking	—	3145 ⁰⁰	Tbg, Rods, Pumps		
Mud & Water			Other		
Rentals			Weatherford	4000	4000 ⁰⁰
Wireline					
			Contingency		
			Total Daily Cost	9392 ⁰⁰	15,729
			Cumulative Cost		



DAILY WORKOVER REPORT

Field: Upper Valley UnitWell: #25Date: 11-07-06Rpt #: 1

AFE #: _____

Rig #: 9Reported By: Gary Harding

AFE Amount: _____

Objective: Looking for Leak CSG

Current Activity: _____

Details of Past 24 Hrs Operations

move rig from #4 to #25 rig up pool moved
pit tank, pump, Bop, #4 to #25. Waiting on weatherford AM.

Daily Well Cost

Description	Day Cost	Cum. Cost	Description	Day Cost	Cum. Cost
Rig Cost	3192 ⁰⁰	3192 ⁰⁰	Cementing		
Labor			Supervision:		
Trucking	3145 ⁰⁰	3145 ⁰⁰	Tbg, Rods, Pumps		
Mud & Water			Other		
Rentals					
Wireline					
			Contingency		
			Total Daily Cost	6337 ⁰⁰	6337 ⁰⁰
			Cumulative Cost		

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METER NUMBER

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TIME PUT ON

DATE PUT ON

10/17/2011

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TUBE & ORIF. SIZE

10:46

TIME TAKEN OFF

DATE TAKEN OFF

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MW-MP 2000

SIGNED

